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(54) PACKET ERROR CONTROLLER OF MULTICAST COMMUNICATION AND METHOD THEREOF

(67) Abstract:

PURPOSE: A packet error controller of a multicast communication and a method are provided to decrease a number of recovery demand packet by coding plural packet errors generated for a delay time in one recovery demand packet and by transmitting the recovery demand packet with unicast way.

CONSTITUTION: A data transmission module(10) forms a packet having a sequence number in the time of demanding a data transmission from a user, and transmits the packet to a communication network access device. An error detecting and recovery demand module(20) adds a sequence number of a pertinent packet to an error packet list, and operates a recovery demand timer, and transmits an error recovery demand packet to the communication network access device in the time of the recovery demand timer's finish, after receiving the packet and collecting a transmission delay information and certifying a packet error. A packet error controller(30) operates according to the error recovery demand packet, and updates a transmission delay by searching a pertinent packet at a packet list according a packet sequence transmitted from the data transmission module, and transmits the pertinent packet again if an error recovery is needed.

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